

REMARKS

In view of the above amendments and the following remarks, reconsideration of the rejections and further examination are respectfully requested.

Claims 1-20 were rejected under 35 U.S.C. § 102(b) as being anticipated by Plessky et al. (US 6,043,585). Claims 1-20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Uu (JP 10-13187) in view of Plessky.

Claim 1 has been amended to overcome the references cited in the pending rejections. Claims 4, 6, 10, 12, and 17-20 have been cancelled without prejudice or disclaimer to the subject matter contained therein. Further, claims 5 and 13-16 have been amended in light of the amendments to claim 1 and/or the cancellation of claims 4, 6, 10, 12, and 17-20. Additionally, new claims 21-23 have been added.

In light of the amendments to independent claim 1, it is respectfully submitted that the rejections are clearly inapplicable to claims 1-3, 5, 7-9, 11, 13-16, and 21-23 for the following reasons.

Claims 1-3, 5, 7-9, 11, 13-16, and 21-23 are Patentable Over Plessky

Amended independent claim 1 is patentable over Plessky, since amended claim 1 recites a surface acoustic wave (SAW) filter including, in part, (1) a piezoelectric board having a surface including first to sixth SAW resonators and a first capacitance element disposed thereon, (2) a first electrode, arranged on the surface of the piezoelectric board, and extending from one of (a) a second node and (b) ground, the first electrode having a first edge, and (3) a second electrode, arranged on the surface of the piezoelectric board, and extending from another of (a) the second node and (b) the ground, the second electrode having a second edge parallel to and facing the first edge of the first electrode, wherein (4) the first capacitance element includes (a) a third electrode, arranged on the surface of the piezoelectric board, and extending from the first edge, and (b) a fourth electrode, arranged on the surface of the piezoelectric board, extending from the second edge of the second electrode, and facing the third electrode in a direction perpendicular to the first and second edges.

In contrast, Plessky teaches an acoustic wave filter having transducers 103, 104, and 105 and capacitors 108 and 109 arranged on a substrate (see Fig. 6a, col. 5, lines 9-

16). In particular, Plessky teaches that capacitors 108 and 109 are defined by “elongated fingers of metallization on the substrate which extend from the electrode region ... [wherein] the fingers are interdigitated alternately and extend perpendicularly to their busbars [i.e., electrodes from which fingers extend]” (see col. 5, lines 18-20). Specifically, the elongated fingers disclosed by Plessky alternately and perpendicularly extend from opposing busbars (i.e., electrodes) so as to form a gap between the opposing busbars (i.e., electrodes) of each capacitor, wherein the gap extends perpendicular to and between the opposing busbars (i.e., gap forms an unobstructed path between the opposing busbars).

As discussed above, Plessky teaches that capacitors 108 and 109 are formed from, (1) elongated fingers which extend in a perpendicular direction from the opposing busbars, and (2) the elongated fingers are arranged in an alternating fashion so as to form a gap between the alternating fingers which is perpendicular to and forms an unobstructed path between the busbars. However, since the elongated fingers are arranged in an alternating fashion in the direction perpendicular to the opposing busbars Plessky does not disclose or suggest third and fourth electrodes, which extend from the first and second (parallel) edges, respectively, and which face each other in a direction perpendicular to the first and second edges with a gap formed therebetween.

Thus, in the context of the formation of a capacitor on a substrate, Plessky teaches alternating fingers which do not face each other in a direction perpendicular to the busbars from which they extend. Whereas, claim 1 recites third and fourth electrodes that face each other in a direction perpendicular to the surfaces from which they extend. Moreover, in the context of the formation of a gap of a capacitor on a substrate, Plessky teaches that the gap extends perpendicular to the busbars so as to form an unobstructed path between the busbars. Whereas, claim 1 recites a gap formed between the third and fourth electrodes facing each other perpendicular to the surfaces from which they extend (i.e., the gap between the third and fourth electrodes is not an unobstructed path between the first and second edges (busbars) as disclosed in Plessky)

In view of the above, it is respectfully submitted that the Plessky reference does not anticipate the invention as recited in amended independent claim 1. Furthermore, Plessky does not suggest the above-discussed limitations of independent claim 1.

Therefore, it would not have been obvious to one of ordinary skill in the art to modify the Plessky reference so as to obtain the invention of amended independent claim 1.

Accordingly, it is respectfully submitted that amended claim 1 and the claims that depend therefrom are clearly allowable over the Plessky reference.

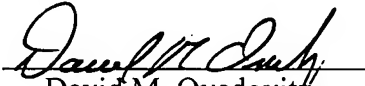
Claims 1-3, 5, 7-9, 11, 13-16, and 21-23 are Patentable Over Uu in view of Plessky

Claims 1-20 were rejected as being unpatentable over Uu in view of Plessky. The rejection relies on Uu for teaching the arrangement of resonators and capacitors and relies on Plessky for disclosing that bonding wires can be used to adjust the characteristics of the filter (i.e., used as an inductor). However, although Plessky does in fact disclose the use of bonding wires to adjust characteristics of a filter, Plessky does not disclose or suggest the structure of the capacitor recited in independent claim 1, as discussed above. Thus, although Uu discloses a filter having resonators and capacitors, Uu does not disclose or suggest the above-discussed features of independent claim 1 (i.e., the specific arrangement of electrodes to form the capacitor) which are lacking from the Plessky reference. Accordingly, the combination of Uu in view of Plessky fails to disclose or suggest every feature of claim 1. Thus, it is apparent that claim 1 and the claims that depend therefrom are allowable over Uu in view of Plessky.

In view of the above amendments and remarks, it is submitted that the present application is now in condition for allowance and an early notification thereof is earnestly requested. The Examiner is invited to contact the undersigned by telephone to resolve any remaining issues.

Respectfully submitted,

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